

Addition and Subtraction of Positive and Negative Numbers

Addition of Positive and Negative Numbers

1. If both numbers are positive, add the number parts together. The sum is a positive number.

$$7 + 8 = 15$$

2. If both numbers are negative, add the number parts together. The sum is a negative number.

$$-7 + (-8) = -15$$

3. If one number is positive and the other is negative, find the difference between the two number parts. The sum will have the same sign as the larger number part.

$$7 + (-8) = -1$$

Subtraction of Positive and Negative Numbers

1. Change the subtraction sign to a plus sign and change the second number to its opposite.

$$7 - (-8) =$$

$$7 + (+8) =$$

2. Follow the rules for Addition of Positive and Negative Numbers.

$$7 + (+8) = 15$$